Kip McGrath™

Leaders In Learning

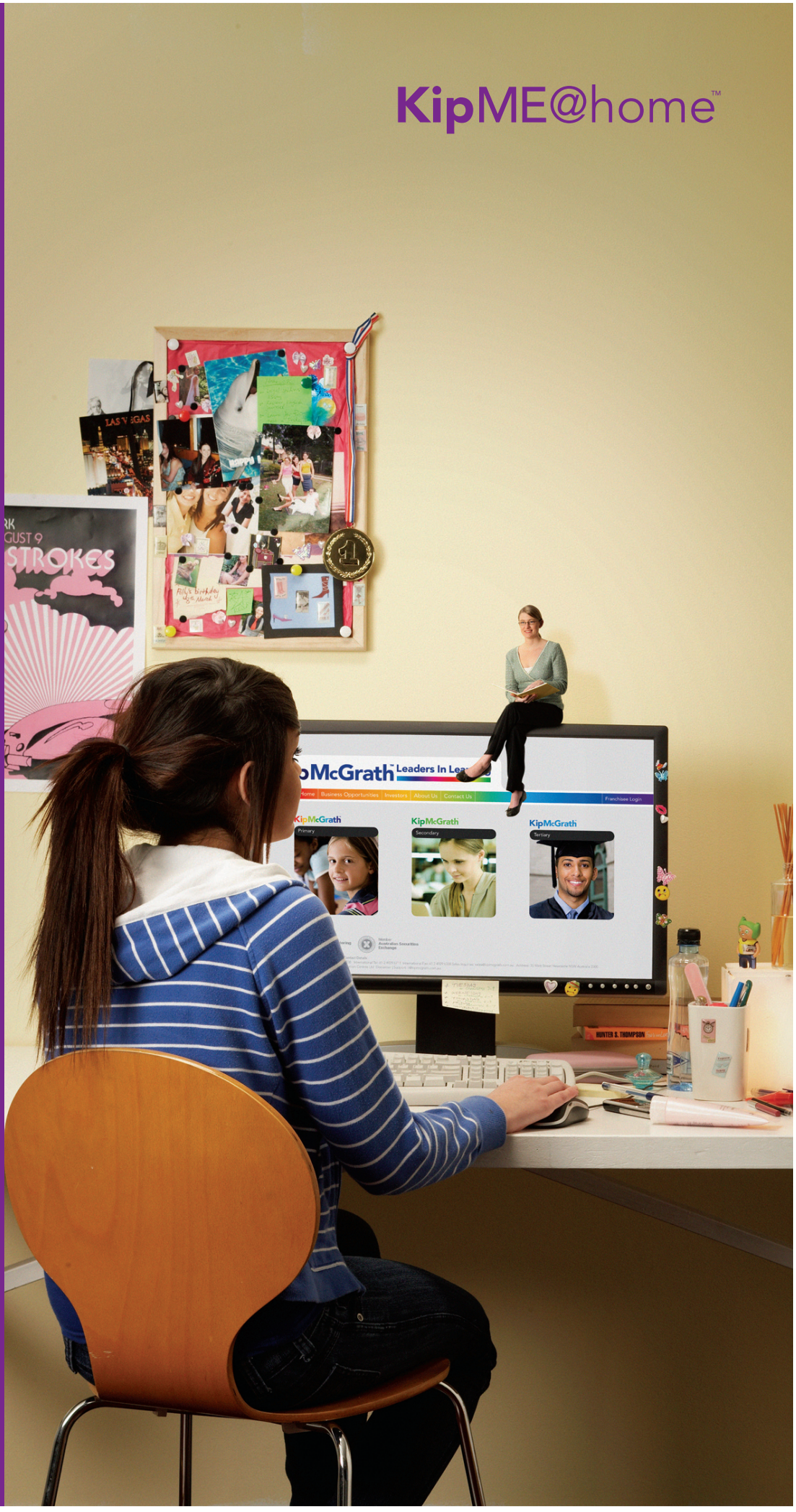
KipMathsExpert@home™

USER'S MANUAL v7.1

distributed by:

eduss Learning

KipME@home™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HUNTER S. THOMPSON

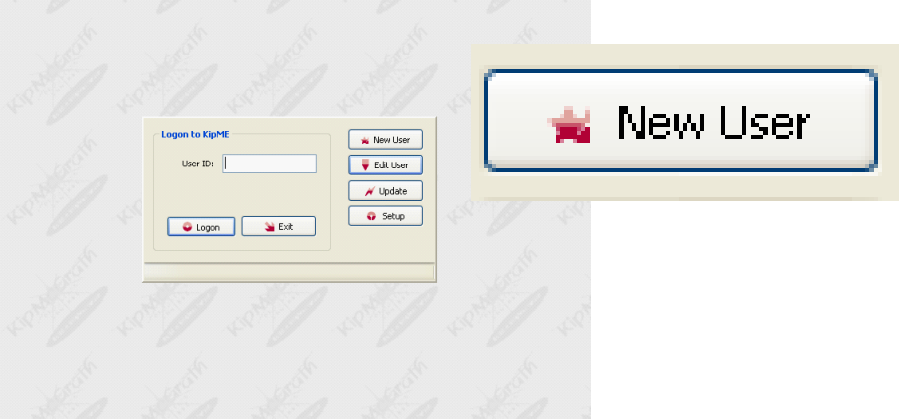
TABLE OF CONTENTS

Add a User	4
Edit a User	5
Work Programs	6
My Learning	7
Selecting a Topic	8
Search	10
My Activity	11
Navigating the Student Work Area	12
Scoring	17
My Results	19
Calculator	20
Print Topic	21
Program Maintenance	23
Help	25
Support and Sales Assistance	26

Revision 2.0

ADD A USER

From the main logon screen click the **New User** button.



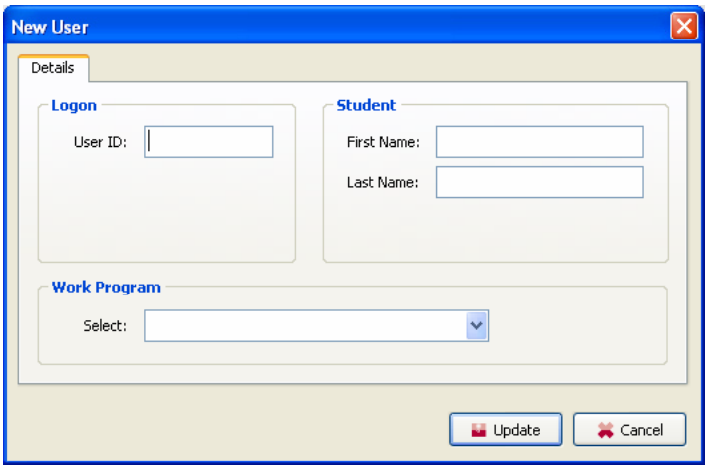
This will bring up the new user dialogue box.

Choose a User ID and enter your name.

You must select a work program for each student user. The work programs are designed to match the official school syllabus in your chosen state.

You can change the work programs later if you need to.

Click **Update** to save your new student user details.



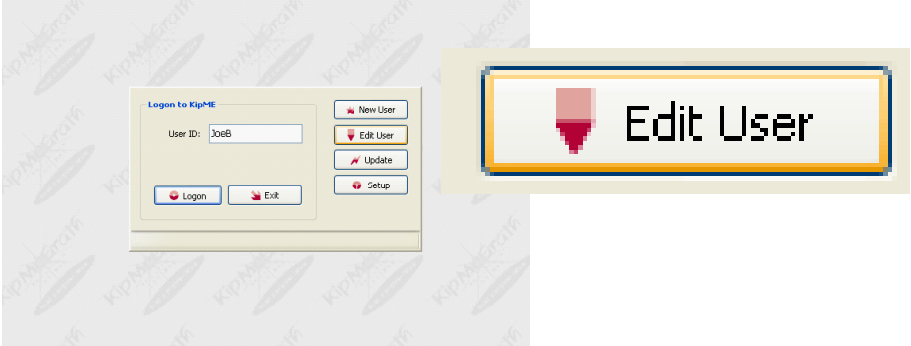
Now you can logon to the program. From the logon screen, enter your User ID and click **Logon**.

EDIT A USER

From the opening screen enter your User ID and click **Edit User**.

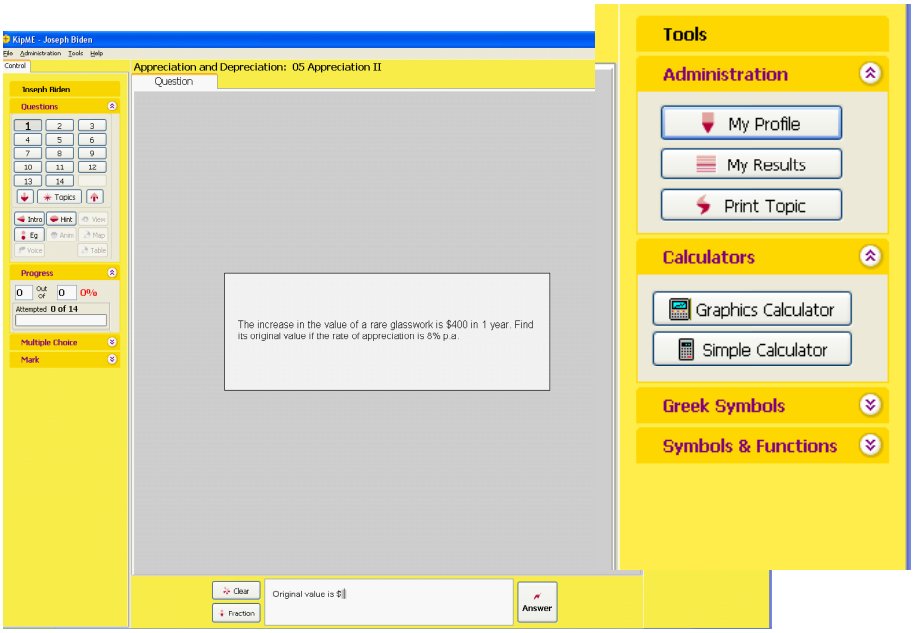
You can now update your name and change your work program.

Click **Update** to save your changes, or **Cancel** to discard.



Edit a user while logged in
You can also access your user details while you are logged into the program. Go to the **Tools** tab and select the **Administration** section.

Now click **My Profile**. From here you can update your name.



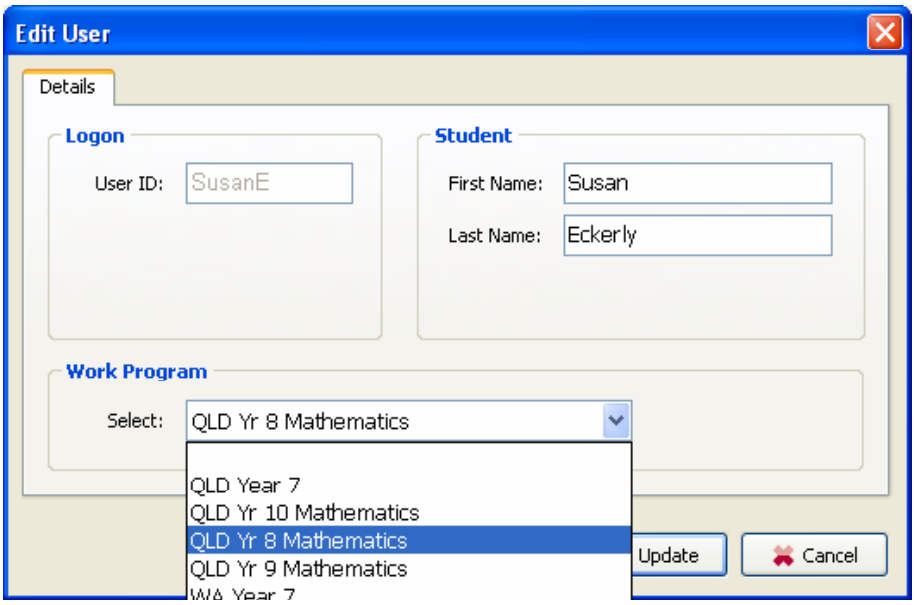
WORK PROGRAMS

Work programs are designed to display the topics that are applicable for each student's particular needs.

Each work program has been written to match the official school syllabus in your chosen country and/or state. Students should select the work program that matches (or best matches) the maths course they are enrolled in at school. Student users can change work programs if required. For instance, when you move from Year 8 to Year 9, you can edit your user profile to select the work program for the new level of work.

Each student user on the program can be assigned to a different work program. Students in different years or streams will be able to select the work program that is appropriate for them.

The program will also track the work each student has done, indicating which topics and questions have already been answered.



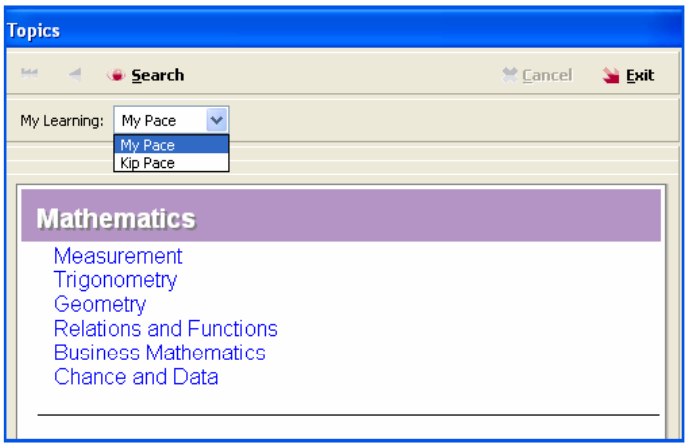
Work programs are loaded when the program is first installed. Then, when each new user is added, a work program must be selected. Student users can change work programs via the **Edit User** function on the logon screen.

MY LEARNING

KipMathsExpert@home (**Kip**ME@home) has two learning modes for student users to access the topics in the work programs.

From the main **Topics** screen look for the drop down **My Learning**. Use the drop down menu to select the learning mode you prefer – the default mode is **My Pace**.

The two options are: **My Pace** and **Kip Pace**.

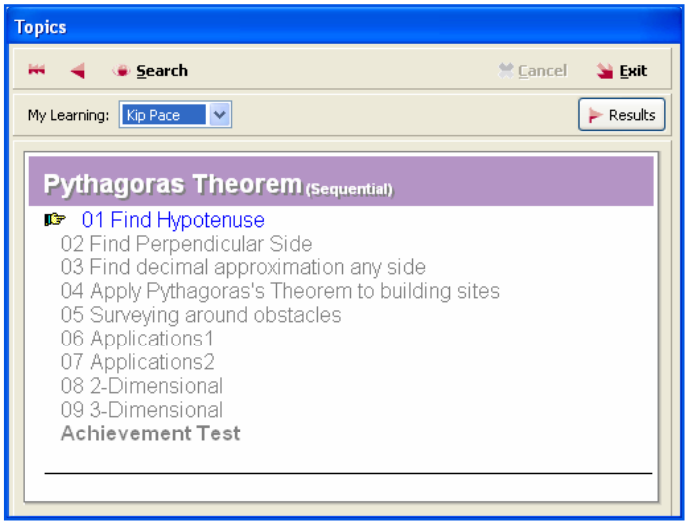


My Pace This option allows the student user access to all the topics within their selected work program. This means the student user can select any topic and any question within that topic to work on and learn. Student users can work through the topics at their own pace and practise as much as needed on any given topic.

Kip Pace This mode is a guided mode of learning. The program guides the student user through the topics in order and in order of difficulty of the questions. A group of five questions for the set topic is presented. As student users correctly answer the questions presented they are automatically moved to the next topic.

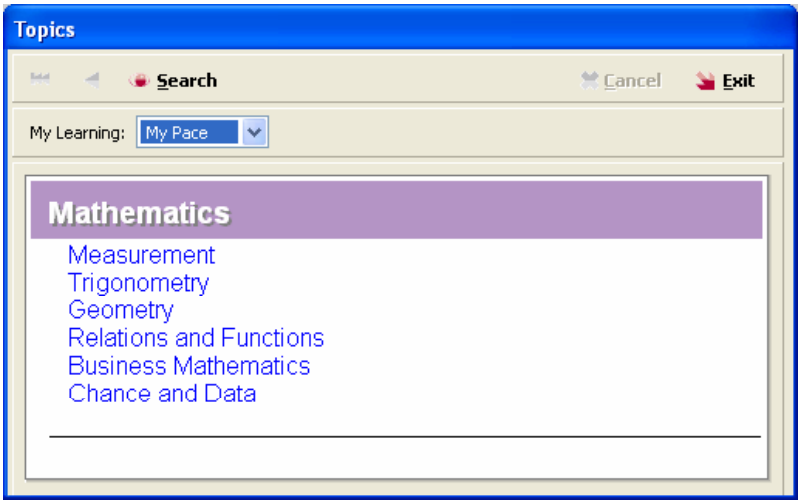
If the student user gets the questions incorrect they are presented with additional questions on the same topic until that concept is learned.

Once all the topics in a particular topic sub-folder are completed the student user completes an **Achievement Test** that contains revision material from the previously answered topics.



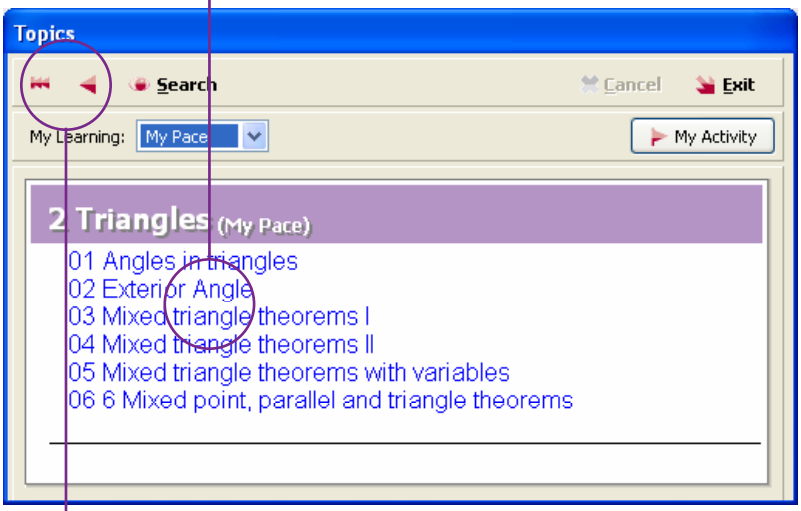
SELECTING A TOPIC

The main **Topics** selection screen functions as a standard directory tree. Click any top level **Topic** to see the topics below it.



'Hover' the mouse over any sub-topic level to see the folders below it.

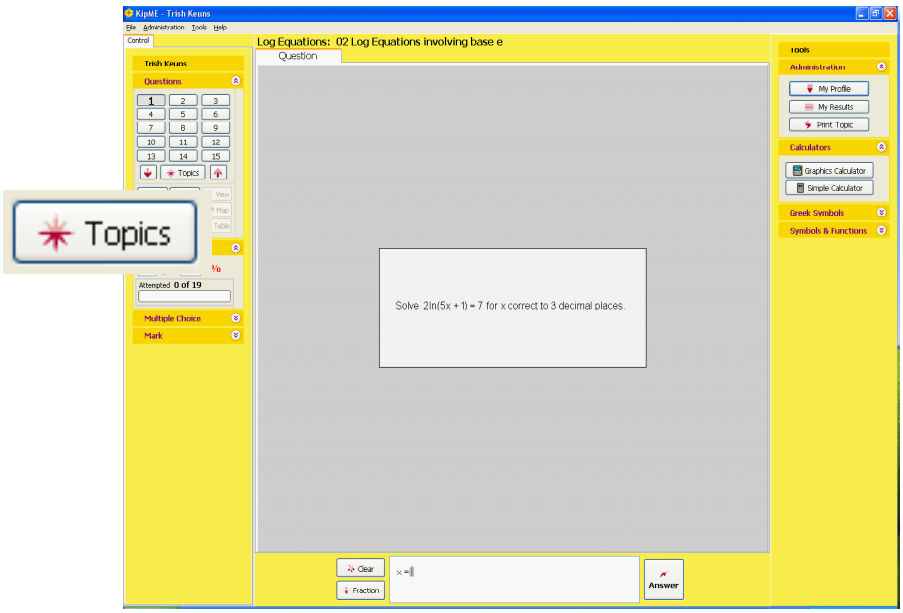
The question folders are prefaced by a number. Click on one of these to load the topic folder you wish to begin working in.



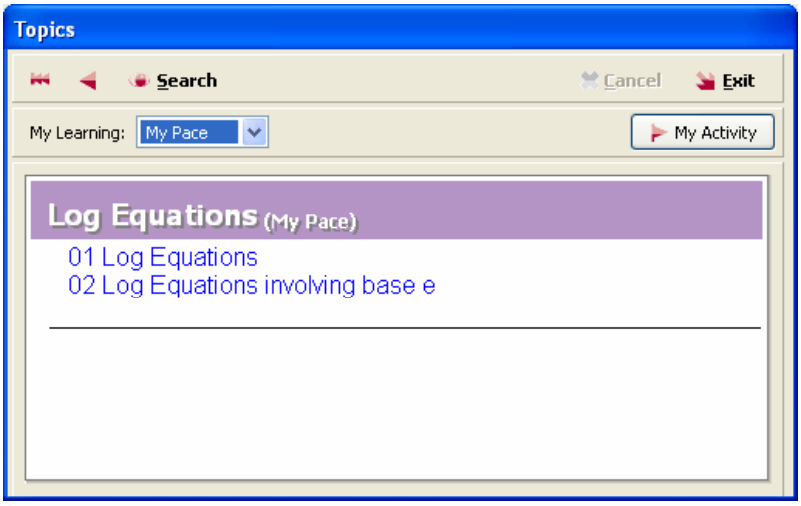
You can return to a higher level in the directory by using the single and double arrow keys as shown.

Return to the topic window

When you have loaded a topic folder and wish to return to the main **Topics Directory**, click the **Topics** button as shown.



The directory structure window will then be displayed. The directory will be at the level of the last loaded topic.

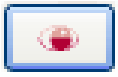


SEARCH

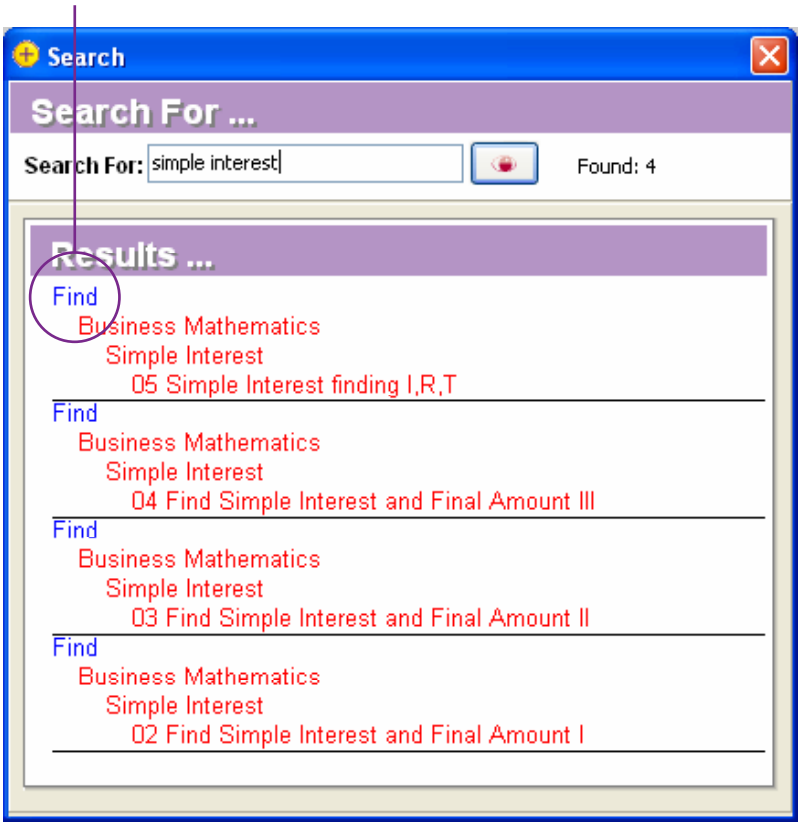
The search function allows student users to search for topics within the program. The search results will display any topic that is available within the selected work program that fits the search parameters.

The search function searches for key word matches to question folder topics only.

From the directory window click the **Search** button.

Enter a key word or key word combination and Click 

The search results will be displayed as shown below. You can click through to any of the topic folders listed using the **Find** links in the Results box.

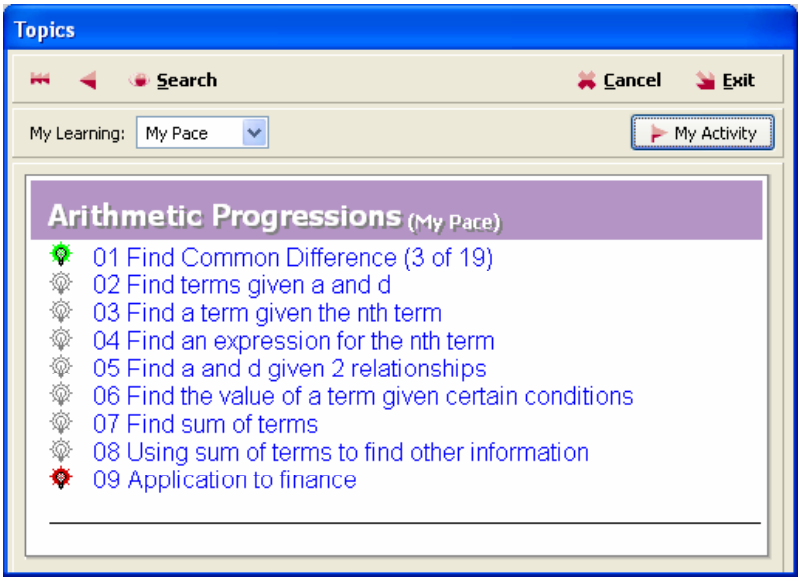


MY ACTIVITY

This function allows the student user to see at a glance which of any question folders within a sub-topic have been completed or partially completed. It also indicates whether the student is having difficulty with a topic by indicating if any of the questions have been answered incorrectly.

1. From the directory tree
2. Drill down to the sub-folder topic on which you wish to view your activity
3. Then click **My Activity**

The markers for each question topic folder will highlight red, green or yellow if questions within that folder have been answered.

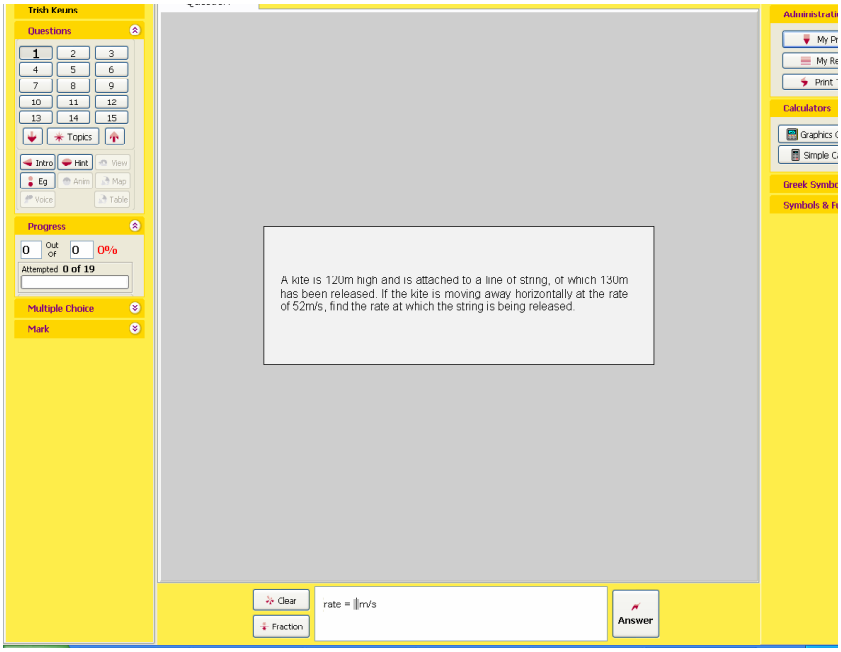

Topics
Search
Cancel
Exit
My Learning:
My Pace
My Activity
Arithmetic Progressions (My Pace)
01 Find Common Difference (3 of 19)
02 Find terms given a and d
03 Find a term given the nth term
04 Find an expression for the nth term
05 Find a and d given 2 relationships
06 Find the value of a term given certain conditions
07 Find sum of terms
08 Using sum of terms to find other information
09 Application to finance

The traffic light system indicates how well the student is progressing within that folder.

- If the student user answered all attempted questions within the topic folder correctly, the highlight bulb will be green.
- If 75% or more of the attempted questions were answered correctly the highlight bulb will turn orange.
- If 74% or less of the attempted questions were answered correctly the highlight bulb will be red. This indicates topics that may require additional practise.

NAVIGATING THE STUDENT WORK AREA

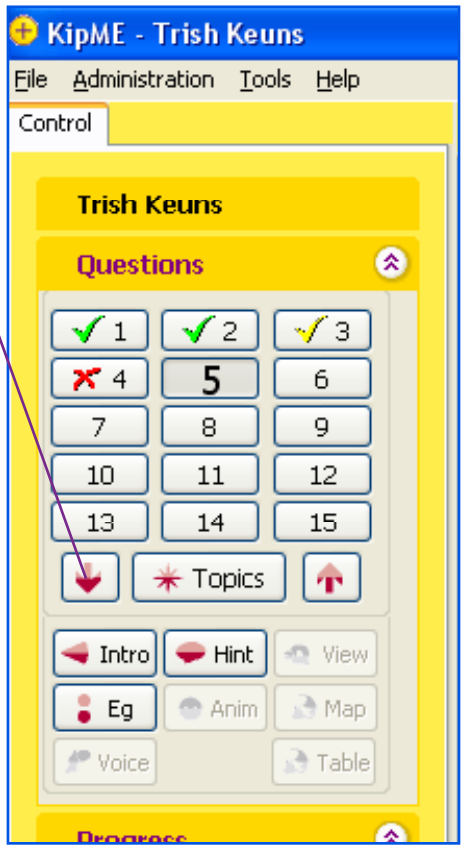
This is the student work area.



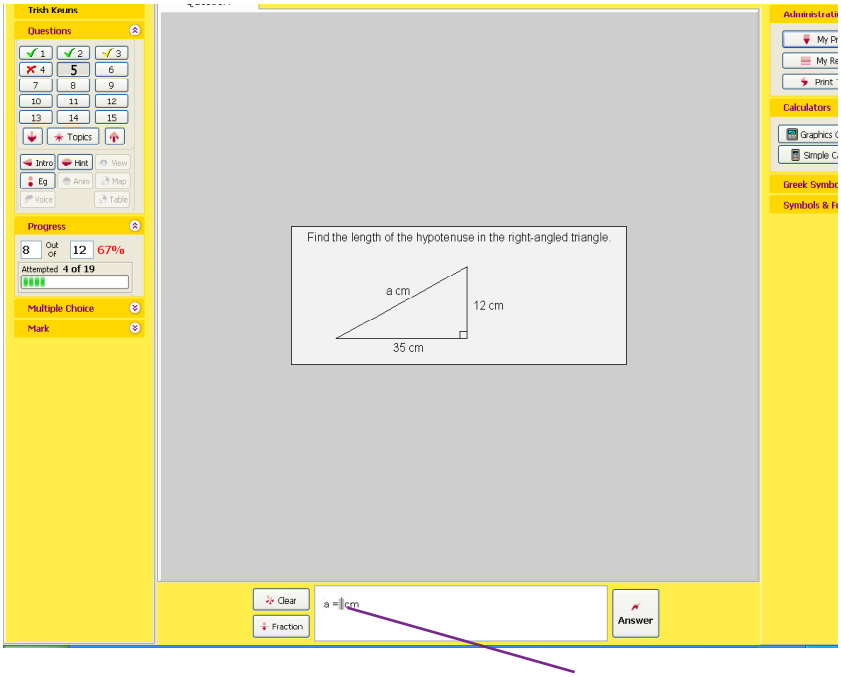
The question number block shows which question the student is working on. The current question is indicated by the number displaying in a larger bold font. Ticks and crosses indicate whether previously answered questions were correctly answered.

Up and **Down** arrows allow access to additional questions in a particular topic.

Click **Topics** to return to the main topic directory.



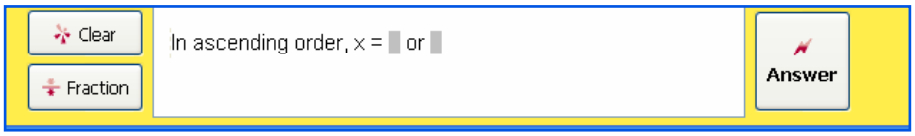
The Topic title – the name of the currently loaded topic folder is displayed at the top of the page.



Questions appear in the main workspace. The answer block appears directly below.

Answer Block

Answers are entered into the grey spaces provided. If a solution requires multiple answer entries, as shown below, use the mouse to click in each answer square or use the **Left** and **Right** arrow keys on your keyboard to move between answer squares.



If there is an option to answer a question as a fraction click the **Fraction** button to display an alternative answer input screen. Click **Clear** to return to the normal answer input screen.

To input a superscript in your answer press **Ctrl + 6**, and then enter the number.

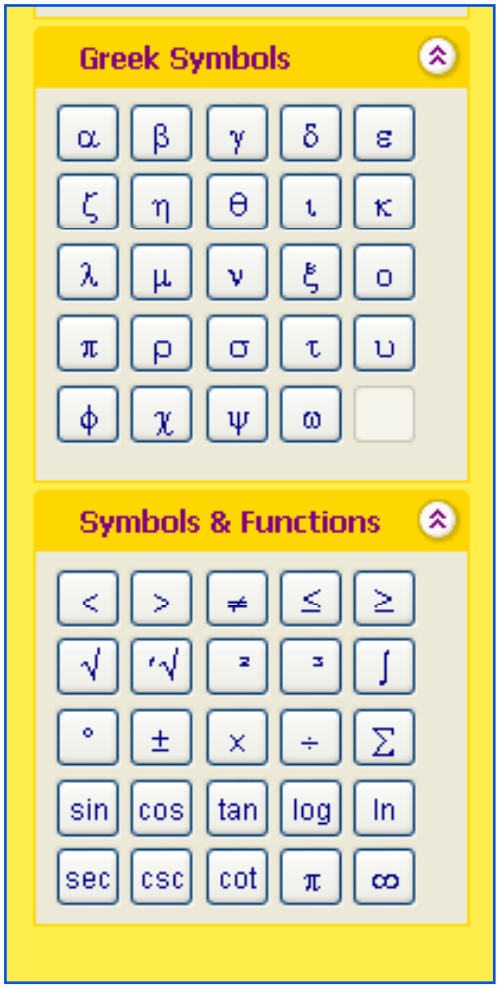
Eg: 3 **Ctrl + 6** 2 = 3^2

To return to normal entry, press **Ctrl + 6** and then **Space**.

Symbols

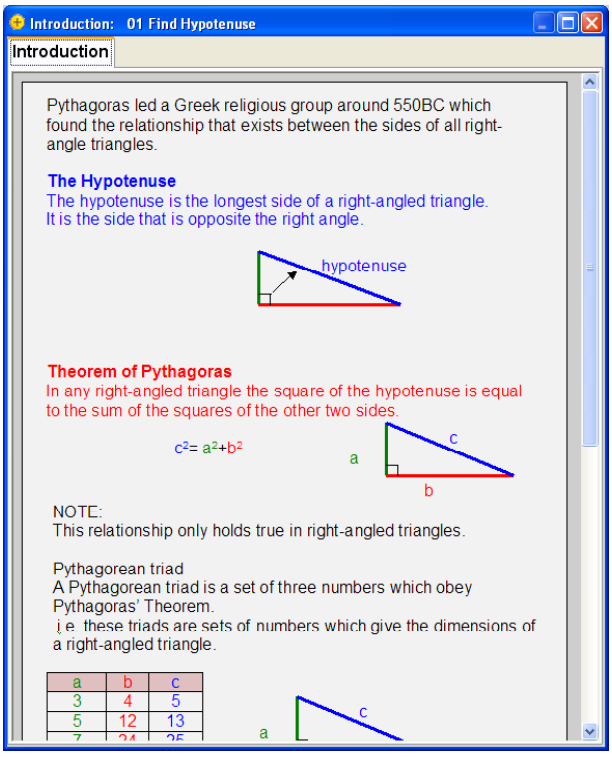
Under the **Tools** tab are the mathematical symbols and functions that can be included in the answer screen if required.

Place your cursor in the correct answer space and then click the required symbol to insert it.



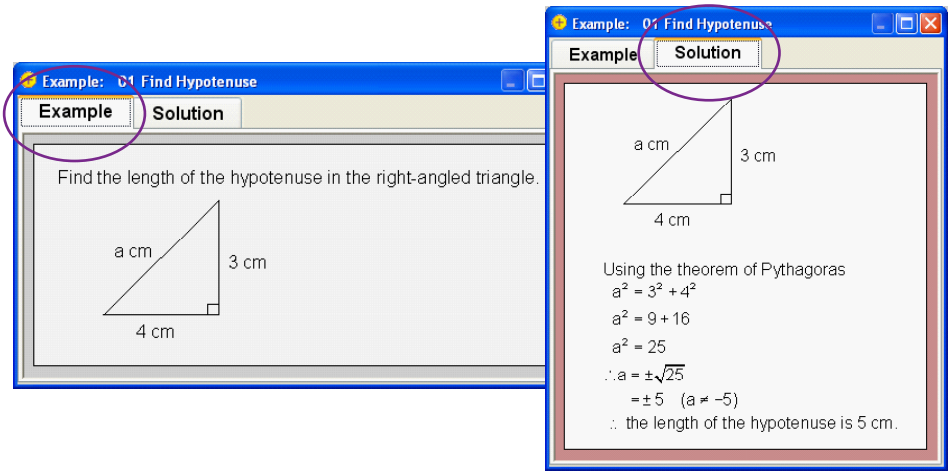
Intro

The **Intro** button provides an introduction to the topic that has been loaded. It explains the mathematical concept and how the problems are to be solved.


Introduction: 01 Find Hypotenuse
Introduction
Pythagoras led a Greek religious group around 550BC which found the relationship that exists between the sides of all right-angle triangles.
The Hypotenuse
The hypotenuse is the longest side of a right-angled triangle.
It is the side that is opposite the right angle.
hypotenuse
Theorem of Pythagoras
In any right-angled triangle the square of the hypotenuse is equal to the sum of the squares of the other two sides.
c²= a²+b²
a
c
b
NOTE:
This relationship only holds true in right-angled triangles.
Pythagorean triad
A Pythagorean triad is a set of three numbers which obey Pythagoras' Theorem.
i.e. these triads are sets of numbers which give the dimensions of a right-angled triangle.
a b c
3 4 5
5 12 13
a
c

Eg

The **Eg** or example button gives an example of a typical problem and a fully worked solution for the topic that has been loaded. The example is representative of the type of question the student user will have to answer.

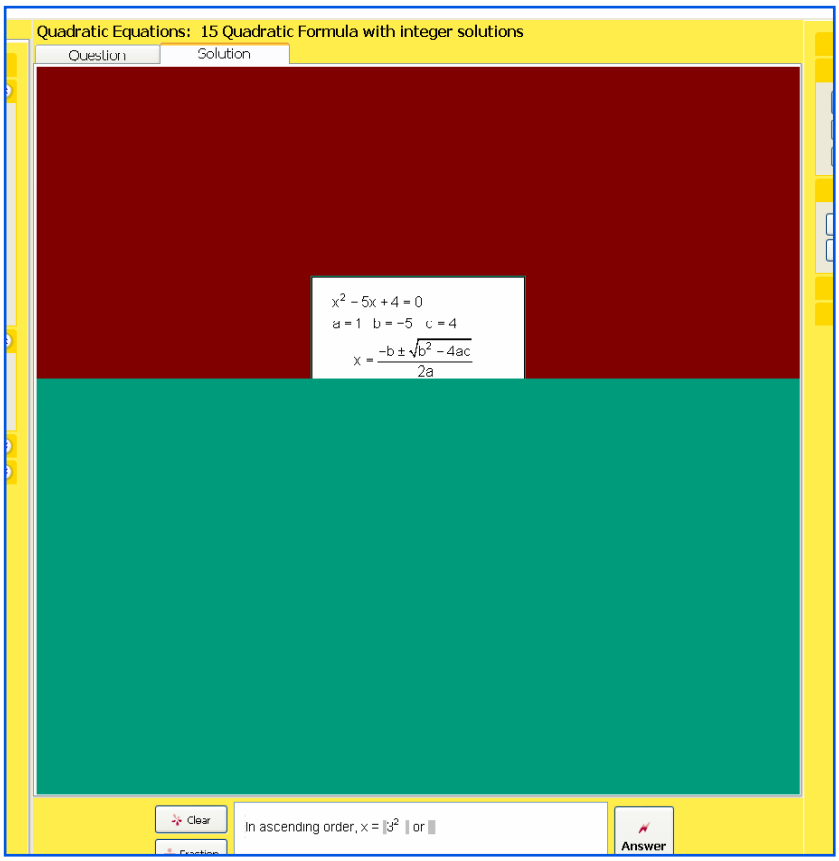


Hint

The hints are specific to the question – not to the topic. By clicking the **Hint** button student users will see a partial working out of the solution to the question they are attempting to answer.

When the **Hint** button is clicked the partial solution will display on the screen for several seconds before returning the student to the question. Clicking the **Hint** button a second time will reveal a little more of the solution to that question.

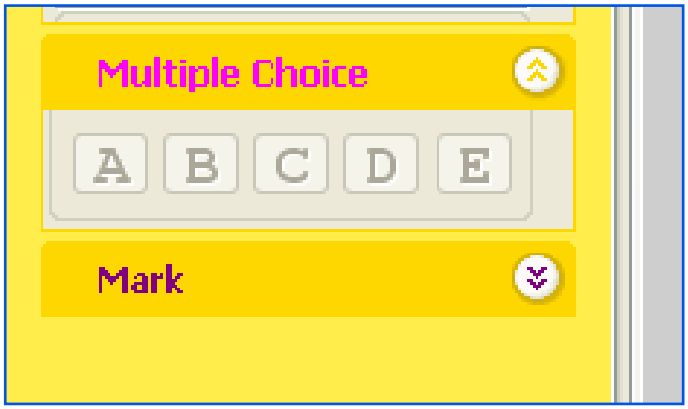
Hints can be accessed twice for each question. The **Hint** feature is available for most of the topics within the program.


Quadratic Equations: 15 Quadratic Formula with integer solutions
Question
Solution
$x^2 - 5x + 4 = 0$
$a = 1 \quad b = -5 \quad c = 4$
$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
Clear
In ascending order, x =
or
Answer

Multiple Choice

The **Multiple Choice** bar is part of the answer block. This section will activate automatically when the system encounters a question that has a multiple choice answer.

Review the question and click the correct letter to submit your answer.

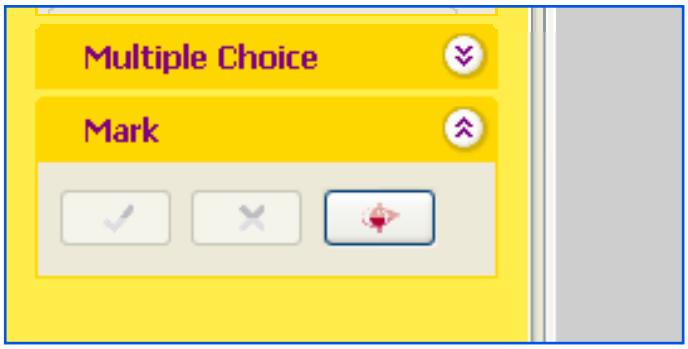


Mark

This section is to be used for questions where an exact answer cannot be entered into the answer block. Primarily, these questions are those encountered in advanced levels of senior maths where the working out is the answer. These questions are designated Self Assessment questions.

When a Self Assessment question is displayed the regular answer block will be inactive and the Mark block will become active.

The student user completes their own solution to the best of their ability.



The student user then clicks to view the solution provided in the program. Students then compare their solution against the solution provided. Students click the **Tick** or **Cross** to indicate whether their solution was correct or incorrect.

SCORING

There are two key ways for students to track their progress in **Kip**ME@home from the main student work area.

Question Grid

The question grid contains a series of ticks and crosses representing the student's attempts to answer the questions.

The ticks represent the student's ability to answer questions with or without assistance or help.

A Green Tick means the student got the question correct on the first attempt without assistance.

A Yellow Tick means the student got the question correct on the second attempt OR the student got the question correct but used the Hint feature for help.

A Red Tick means that either the student got the answer correct on the second attempt AND used the Hint feature, OR the student used the Hint feature twice and answered correctly.

A Red Cross "X" means the student answered incorrectly on both attempts.

The Small Blue Cross indicates a knowledge builder question was attempted and also answered incorrectly.

Progress Bar

The second area to measure and track student's progress is on the **Progress Bar**. There are three things to look at here:

Attempted shows how many questions have been attempted out of the total number of questions in the folder – in this case 6 of 15 attempted.

Percentage is based on the percentage correct of the total scoring of questions answered in that topic folder. This student is running at 44%.

Score (8 out of 18) represents a total scoring based on the points the student has received.

Each question is worth a total of 3 points depending on whether the tick is green, yellow or red.

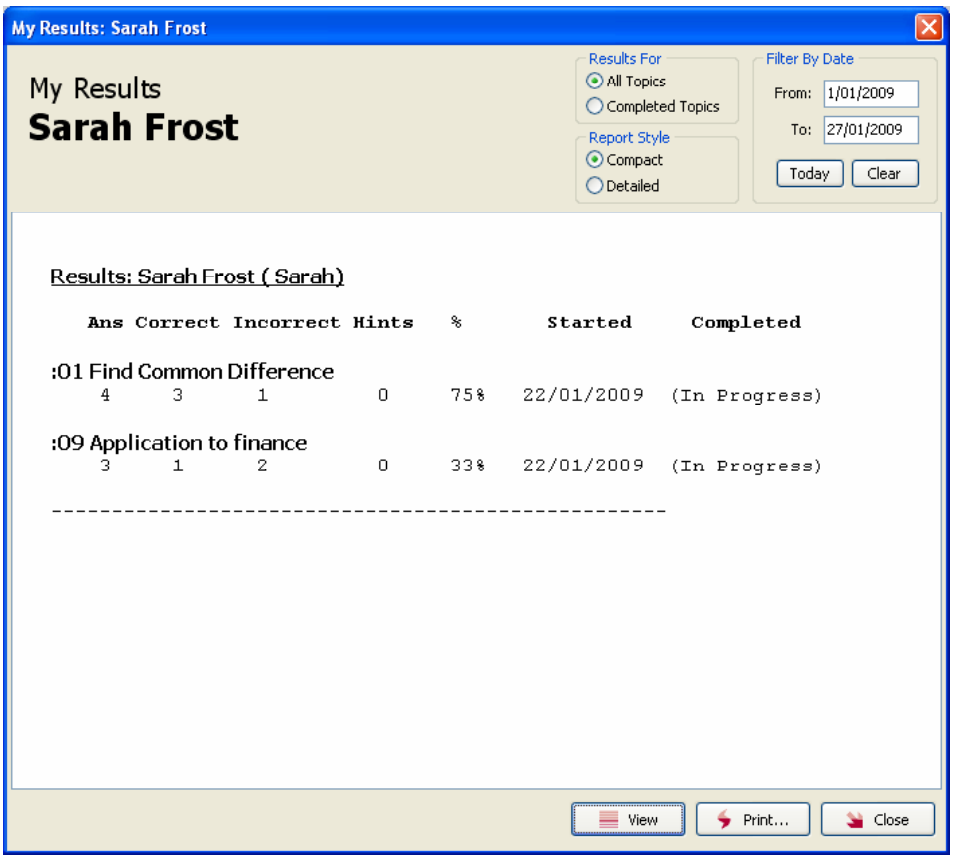
0 points are awarded for a red X
1 point is awarded for a red tick
2 points are awarded for a yellow tick
3 points are awarded for a green tick

By using all these features students can measure their progress within a topic.

MY RESULTS

Scoring measures how a student user is progressing within a particular topic folder, **My Results** displays a student user's progress across all the topics that student has attempted. It does not matter whether a topic was completed, **My Results** will indicate how many questions were attempted in each topic, as well as the percentage right and wrong.

My Results will only be shown for the user that is currently logged in to the program.



1. Click **My Results** from the **Administration** section
2. Select your Results by **Topic**
3. Select your Report Style
4. Now select the date filter for your report
5. Click **View**

Your results are displayed and can be printed.

The above graphic shows an example of a **Compact** report. Student users can select the **Detailed** option to show more information about their results on the report.

This function can only be accessed when the student user is in **My Pace** mode.

CALCULATOR

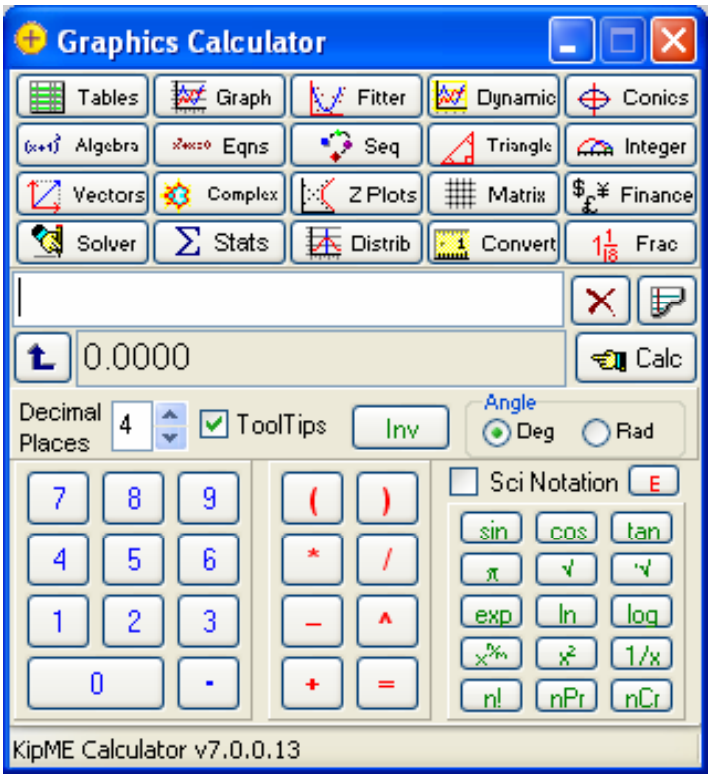
The **KipME@home™** program has two calculators.

A **Simple Calculator** for basic functions and a **Graphics Calculator** for more advanced functions.

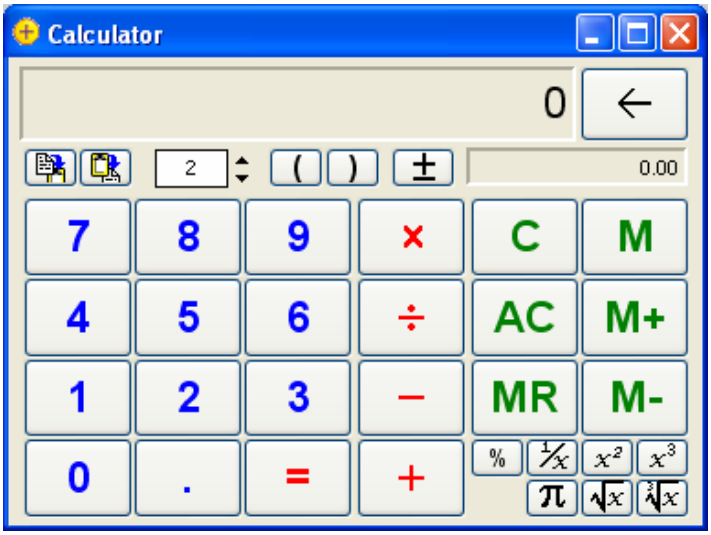
From the **Tools** tab, click on either calculator button to launch the calculator.

A tutorial is provided to demonstrate some of the functions of the **Graphics Calculator**. Click on the **Help** menu to access this tutorial.

All graphs that are created on the **Graphics Calculator** can be printed or exported to other applications such as MSWord and MSExcel.



Graphics Calculator



Simple Calculator

PRINT TOPIC

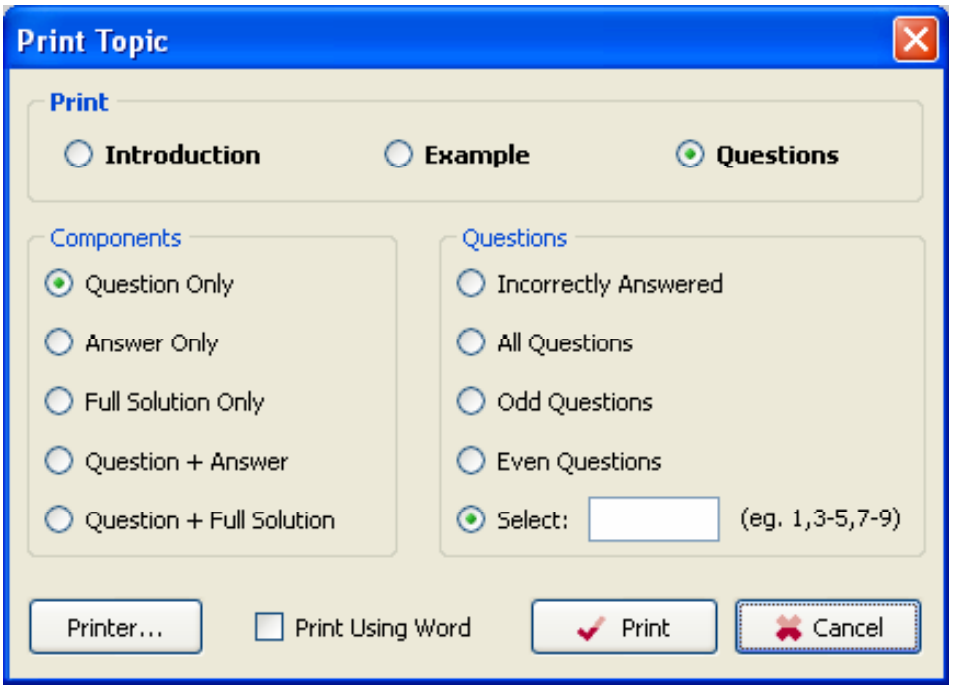
When you have a topic loaded in the program you can print it out to do extra practise. The **Print Topic** function allows you to either:

Print out a hard copy or;
Save the topic as a Word file that can then be emailed or printed later.

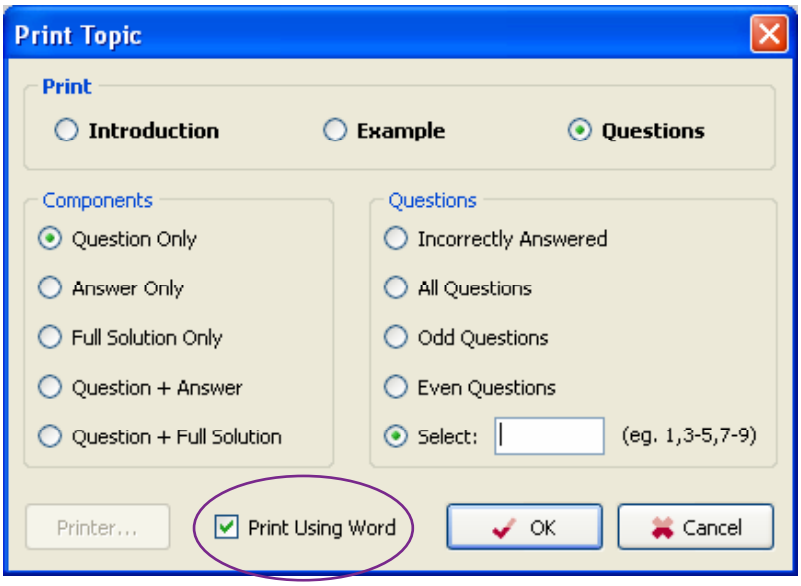
(the second option is only available for printing the Question topic itself)

There are various print options to choose from. You can print the topic **Introduction** only, or the **Example** associated with that topic only. Alternatively, you can print all the **Questions** in that topic. Choosing this option allows more customisation of your printing choices.

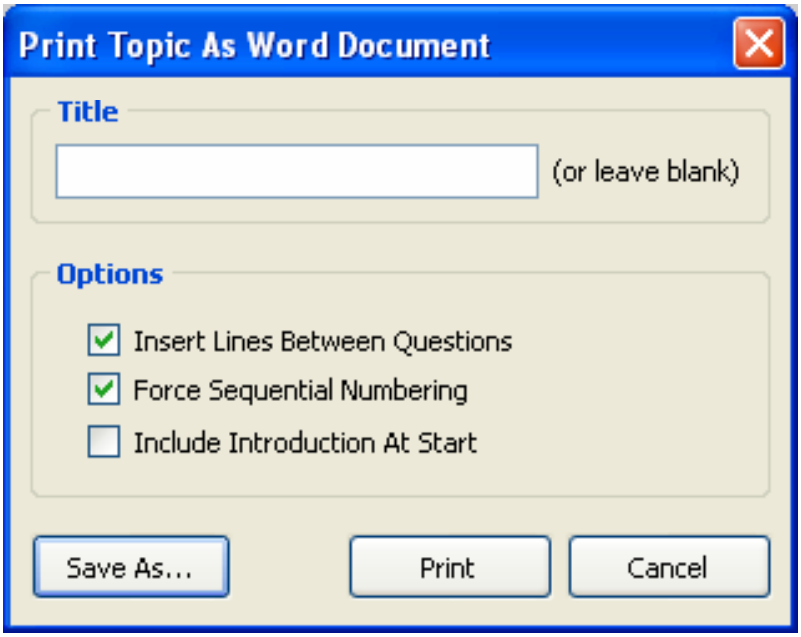
The program allows you to print Questions, Questions and Answers, Full Solutions etc. You can also print a completed, or partially completed topic, choosing to print only questions answered incorrectly, allowing for targeted extra practise.



1. Go to the main student work screen
2. From the **Tools** tab go to the **Administration** Section
3. Click **Print Topic**
4. When the **Print Topic** dialogue box opens select your options:
   a. You can print the **Introduction** to the topic, the **Example** or the **Questions**
   b. If you select **Questions**, the options for printing questions become active
5. To print the document, click **Print**. This will send the document straight to your default printer.
6. To print using Word (which gives you the option of creating and saving a Word file) check the **Print using Word** box.
7. Before you print you must close MSWord if it is open on your computer.
8. You can now enter a title for your document. You also have the option to include the topic Introduction in your document.
9. Click **Save As** to save a copy of the document on your computer, or click **Print** to send the document straight to the printer.

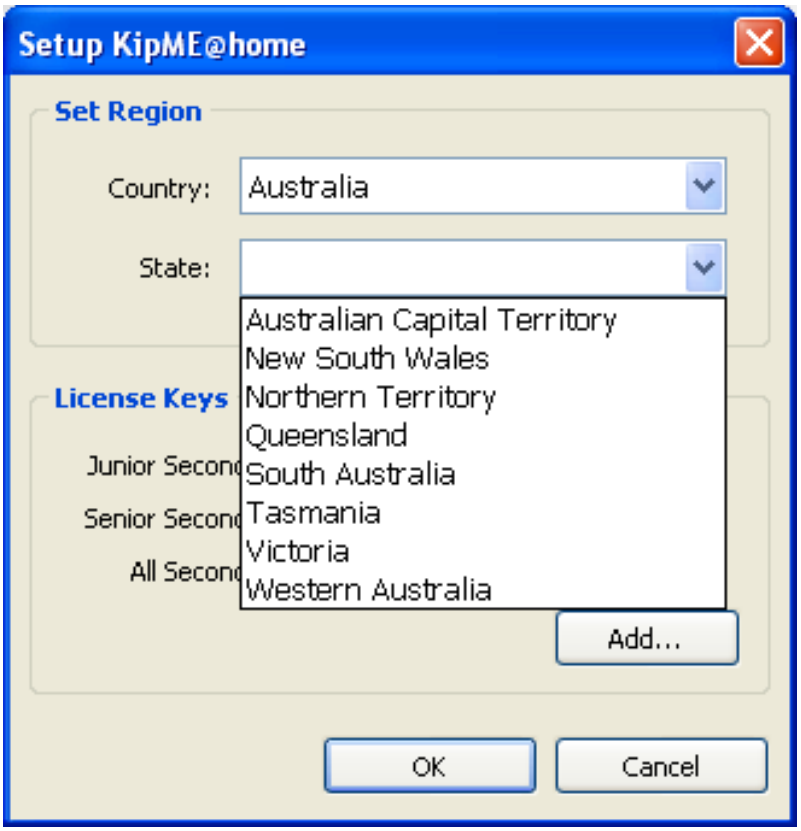


Selecting the option to **Print Using Word** generates the below print dialogue box. Follow the steps as outlined above.



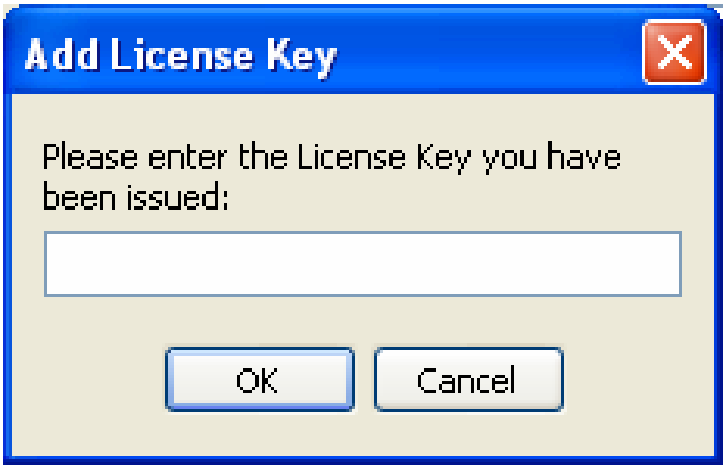
Setup

The **Setup** function accessed via the main logon screen enables you to change your regional settings and to add new license keys if you purchase additional software modules.



From the drop down menu select the country and/or state you wish to upload and click **OK**.

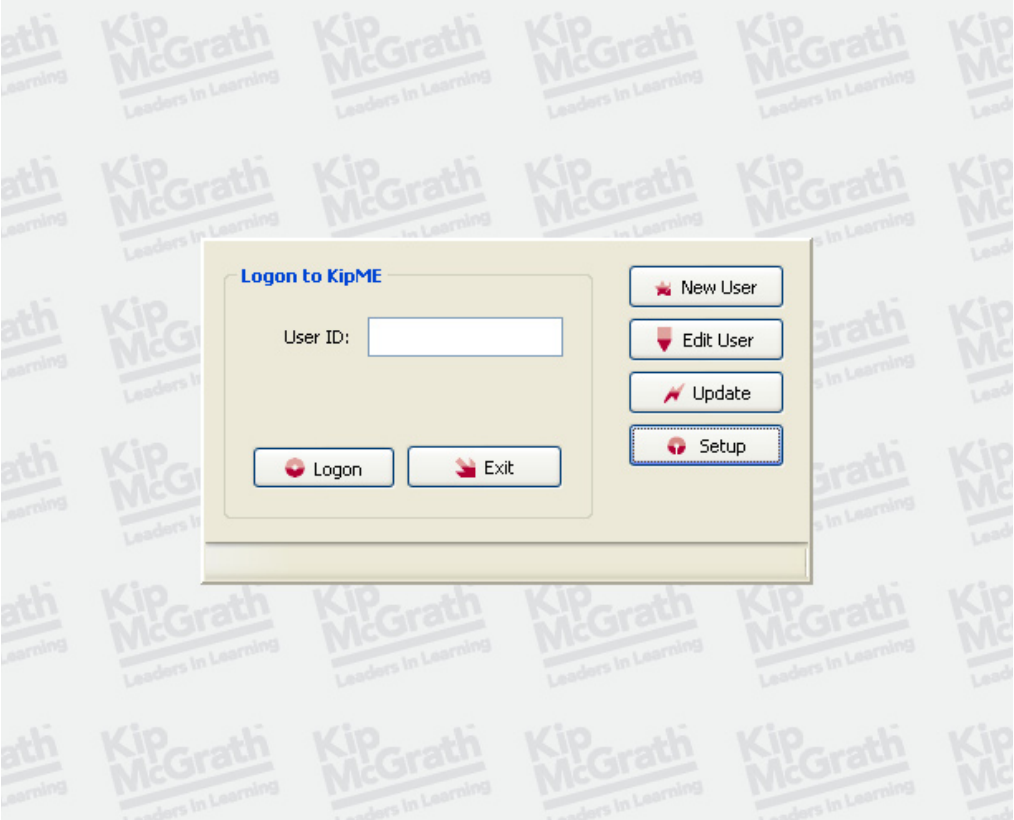
To add a new license key, click **Add**. Enter the new license key provided by Eduss Learning and then click **OK**.



Update

This function is designed to be used when a new version or updates of the software are made available to you.

To successfully download updates to the program you must have an active internet connection. Click **Update** and follow any prompts given to complete the process.



HELP

The **Help** menu on **Kip**MathsExpert@home™ contains the following forms of assistance.

Manual
Selecting this option will allow you to launch a PDF version of this instruction manual.

Website
This option contains a link which will take you through to the Eduss Support website.

Tutorials
This option contains a link to tutorials that demonstrate some of the functions of the program.

About
This option will tell you the version of the product you have purchased. This information may be needed if you contact Eduss for support.

SUPPORT & SALES ASSISTANCE

Contact Details

This product is distributed by Eduss Learning.

Mailing Address:
PO Box 1053, Ashmore City, QLD 4214

Address:
Suite 29, 207 Currumburra Road, Ashmore, QLD 4214

Phone: 07 5597 4600

Fax: 07 5597 4666

Sales Email: info@eduss.com

Support

Support Email: support@eduss.com

Support Phone: 1800 334 633

Support Hours: Monday to Friday, 8:00am to 8:00pm AEST

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